



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

SCIENCE

EDITORIAL COMMITTEE: S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING, Astronomy; T. C. MENDENHALL, Physics; R. H. THURSTON, Engineering; IRA REMSEN, Chemistry; J. LE CONTE, Geology; W. M. DAVIS, Physiography; O. C. MARSH, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; N. L. BRITTON, Botany; HENRY F. OSBORN, General Biology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; J. MCKEEN CATTELL, Psychology; DANIEL G. BRINTON, J. W. POWELL, Anthropology.

FRIDAY, NOVEMBER 27, 1896.

THE NATIONAL ACADEMY OF SCIENCES.

CONTENTS:

<i>The National Academy of Sciences</i>	769
<i>Recent Advances in Malacology</i> : WM. H. DALL	770
<i>A Study of the Colon Bacillus Group, and especially of its Variability in Fermenting Power under Different Conditions</i> : ADELAIDE WARD PECKHAM.....	773
<i>Superheated Steam in Steam Engines</i> : R. H. THURSTON	778
<i>On Certain Physical Difficulties in the Construction of Large Guns</i> : W. LECONTE STEVENS	782
<i>Ontogenic and Phylogenic Variation</i> : HENRY F. OSBORN.....	786
<i>Current Notes on Anthropology</i> :— <i>Paris School of Anthropology; An Archæological Map of Ohio</i> : D. G. BRINTON	789
<i>Astronomical Notes</i> : H. J.	790
<i>Notes on Inorganic Chemistry</i> : J. L. H.....	790
<i>Scientific Notes and News</i>	791
<i>University and Educational News</i>	794
<i>Discussion and Correspondence</i> :— <i>An Optical Illusion</i> : J. MARK BALDWIN. <i>Le Conte's Elements of Geology</i> : C. W. HALL.....	794
<i>Scientific Literature</i> :— <i>Zimmermann's Morphologie und Physiologie des Pflanzlichen Zellkernes</i> : CONWAY MACMILLAN. <i>Brinton's The Myths of the New World</i> : ALICE C. FLETCHER.....	797
<i>Scientific Journals</i> :— <i>Astrophysical Journal; The American Geologist</i> ...	799
<i>Societies and Academies</i> :— <i>The Geological Society of Washington</i> : W. F. MORSELL. <i>The Entomological Society of Washington</i> : L. O. HOWARD. <i>The Academy of Natural Sciences of Philadelphia</i> : EDWARD J. NOLAN. <i>The Academy of Science of St. Louis</i> : WILLIAM TRELEASE.....	801
<i>New Books</i>	804

MSS. intended for publication and books, etc., intended for review should be sent to the responsible editor, Prof. J. McKeen Cattell, Garrison-on-Hudson, N. Y.

A SCIENTIFIC session of the National Academy of Sciences was held at Columbia University, New York, on Tuesday and Wednesday, November 17th and 18th, and a business meeting was held on November 18th to consider the report of the President of the Academy to Congress. The President of the Academy, Prof. Wolcott Gibbs, was prevented by illness from being present, and the sessions were presided over by President F. A. Walker, the Vice-President of the Academy. The following members were present: Henry L. Abbot, J. A. Allen, George F. Barker, Carl Barus, John S. Billings, Henry P. Bowditch, William H. Brewer, Charles F. Chandler, Cyrus B. Comstock, Edward D. Cope, Edward S. Dana, Samuel F. Emmons, Benjamin A. Gould, Arnold Hague, Asaph Hall, Charles S. Hastings, George W. Hill, Joseph Le Conte, O. C. Marsh, Alfred M. Mayer, Richmond Mayo-Smith, T. C. Mendenhall, Arthur Michael, A. A. Michelson, S. Weir Mitchell, Simon Newcomb, A. S. Packard, Charles S. Pierce, Ira Remsen, Ogden N. Rood, Henry A. Rowland, Charles S. Sargent, A. E. Verrill, Francis A. Walker, William H. Welch, R. S. Woodward. There were thirty-six members in attendance, seven more than at the corresponding meeting a year ago at Philadelphia. The following papers were entered to be read :